

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112223\
 Data File : VY016464.D
 Acq On : 22 Nov 2023 15:57
 Operator : SY/MD
 Sample : 05507-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 23 04:07:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

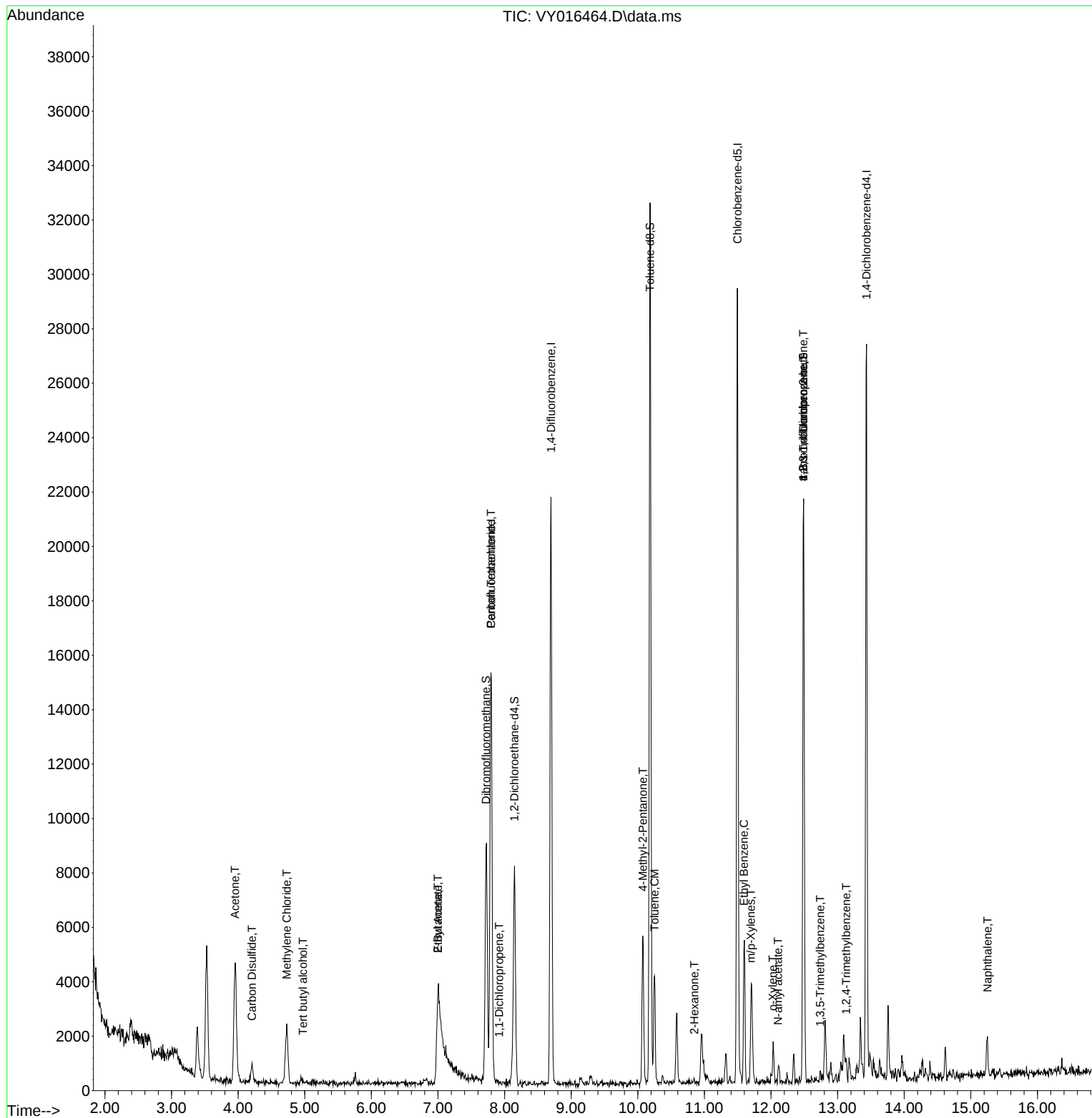
Internal Standards						
1) Pentafluorobenzene	7.795	168	12896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	19883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	17432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	7491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	6293	53.392	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.780%			
35) Dibromofluoromethane	7.722	113	6401	56.672	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.340%			
50) Toluene-d8	10.185	98	22849	49.886	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.780%			
62) 4-Bromofluorobenzene	12.483	95	6669	44.830	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.660%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	94	10.185	ug/l #	89
16) Acetone	3.954	43	7867	403.514	ug/l #	88
17) Carbon Disulfide	4.204	76	524	1.333	ug/l #	76
20) Methylene Chloride	4.728	84	1755	9.955	ug/l #	91
25) 2-Butanone	6.996	43	2533	74.176	ug/l #	87
36) 1,1-Dichloropropene	7.917	75	206	1.050	ug/l #	41
37) Ethyl Acetate	6.996	43	2533	31.965	ug/l #	71
38) Carbon Tetrachloride	7.795	117	1186	5.827	ug/l #	12
51) 4-Methyl-2-Pentanone	10.075	43	3742	48.310	ug/l	91
52) Toluene	10.252	92	1997	5.733	ug/l	92
59) 2-Hexanone	10.849	43	146	2.534	ug/l #	27
67) Ethyl Benzene	11.593	91	3971	5.933	ug/l #	84
68) m/p-Xylenes	11.697	106	1191	4.691	ug/l	99
69) o-Xylene	12.026	106	441	1.871	ug/l	98
74) N-amyl acetate	12.105	43	426	3.496	ug/l #	46
76) 1,2,3-Trichloropropane	12.483	75	3372	46.924	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.739	105	553	1.131	ug/l	65
81) trans-1,4-Dichloro-2-b...	12.483	75	3372	101.853	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.129	105	697	1.447	ug/l	94
95) Naphthalene	15.251	128	1807	7.658	ug/l #	92

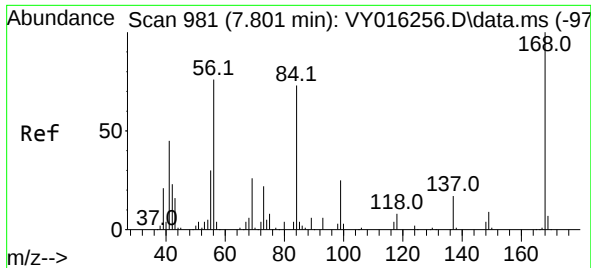
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 09 00:45:52 2023
Response via : Initial Calibration

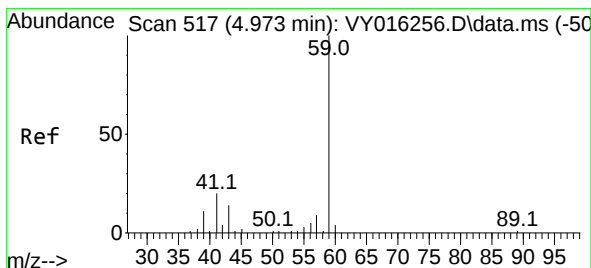
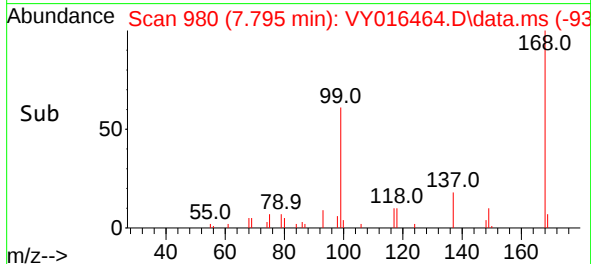
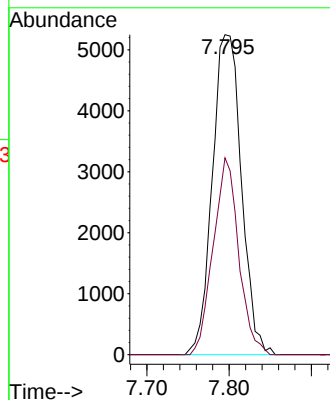
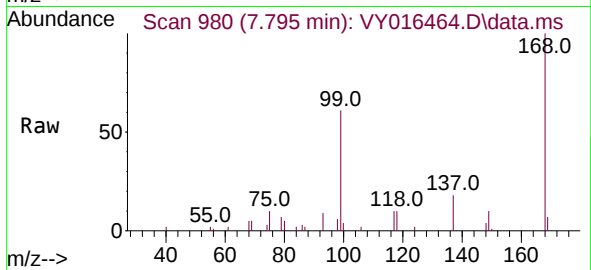




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

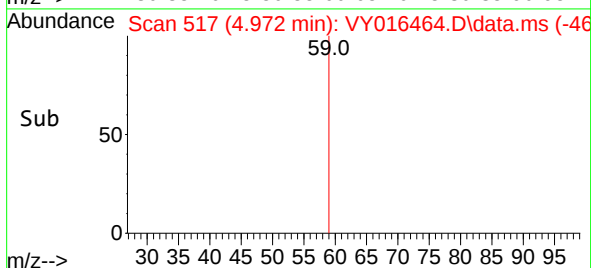
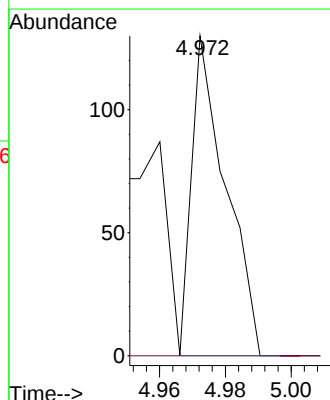
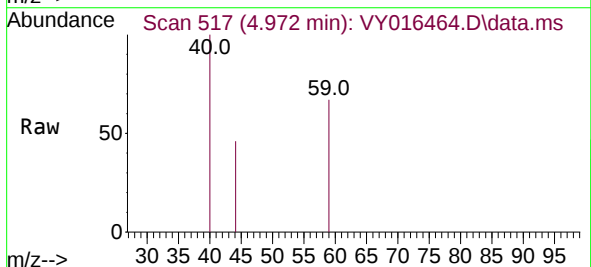
Instrument :
MSVOA_Y
ClientSampleId :

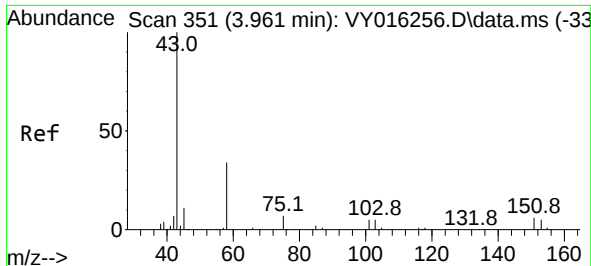
Tgt Ion:168 Resp: 12896
Ion Ratio Lower Upper
168 100
99 61.5 43.4 65.0



#11
Tert butyl alcohol
Concen: 10.185 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.000 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

Tgt Ion: 59 Resp: 94
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

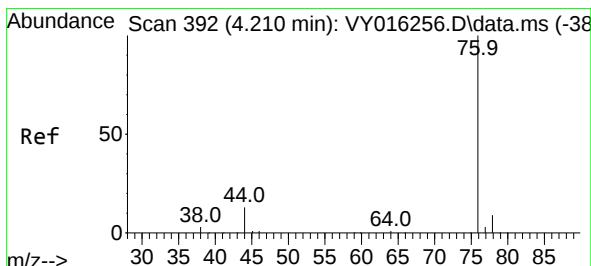
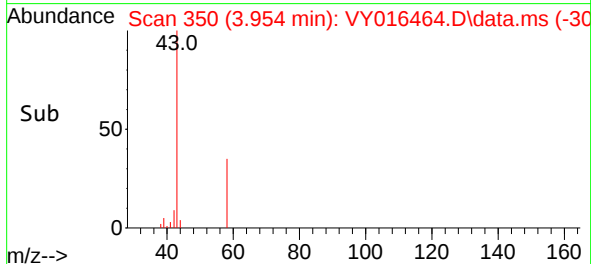
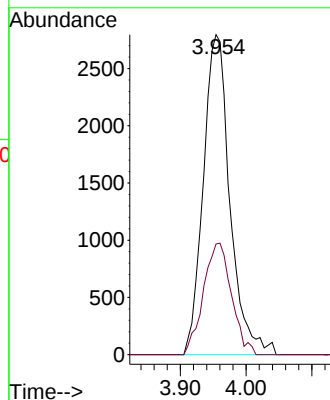
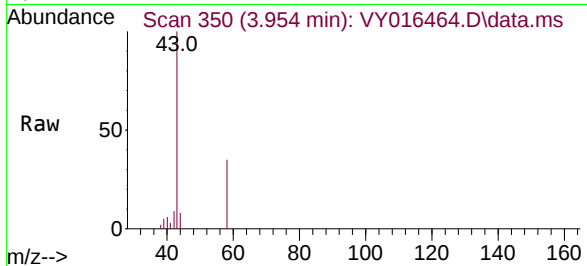




#16
Acetone
Concen: 403.514 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

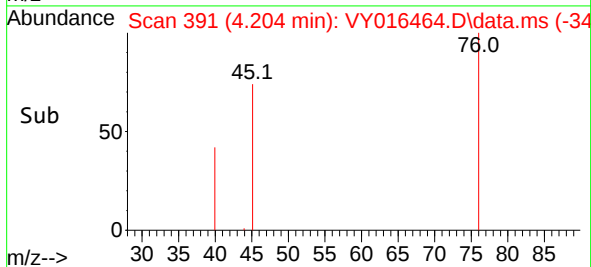
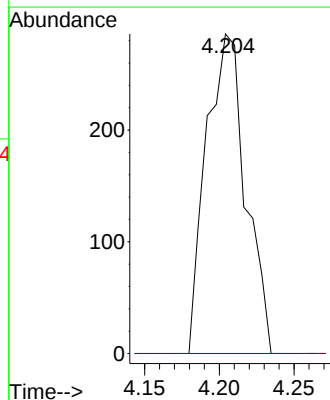
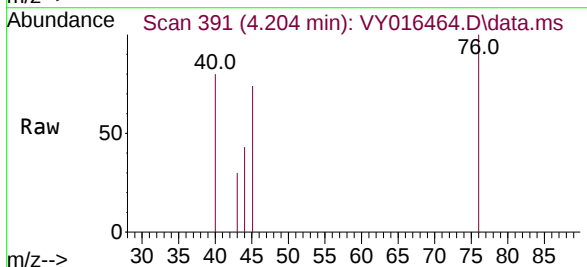
Instrument :
MSVOA_Y
ClientSampleId :

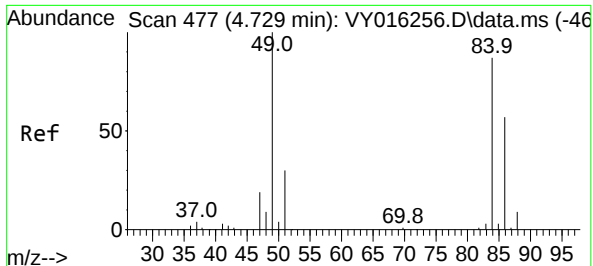
Tgt Ion: 43 Resp: 7867
Ion Ratio Lower Upper
43 100
58 34.6 22.7 34.1#



#17
Carbon Disulfide
Concen: 1.333 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

Tgt Ion: 76 Resp: 524
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#





#20

Methylene Chloride

Concen: 9.955 ug/l

RT: 4.728 min Scan# 41

Delta R.T. -0.001 min

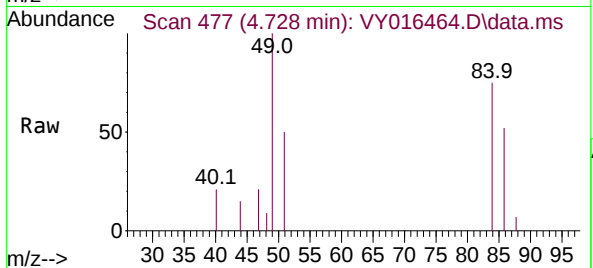
Lab File: VY016464.D

Acq: 22 Nov 2023 15:57

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 1755

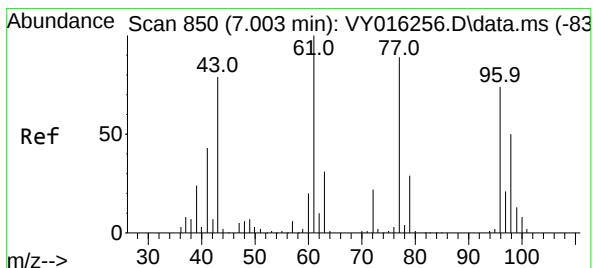
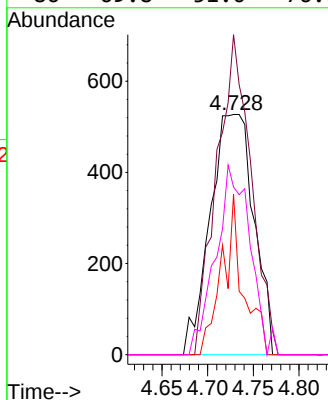
Ion Ratio Lower Upper

84 100

49 133.2 106.9 160.3

51 66.8 33.2 49.8#

86 69.8 51.0 76.6



#25

2-Butanone

Concen: 74.176 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY016464.D

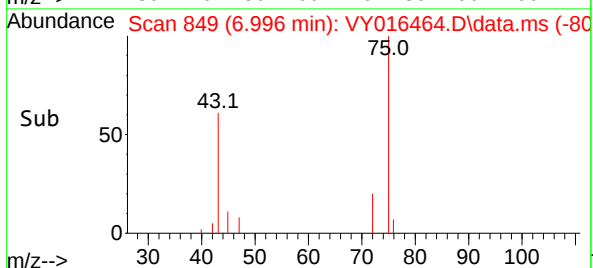
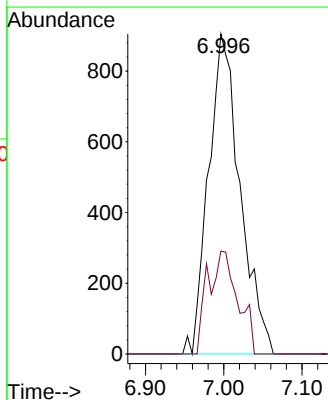
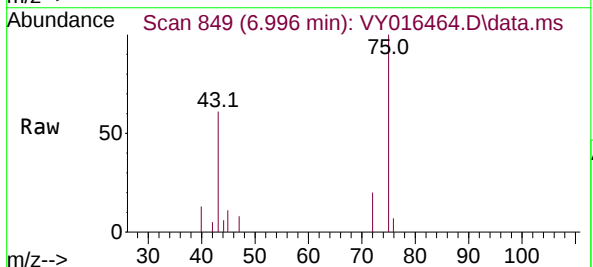
Acq: 22 Nov 2023 15:57

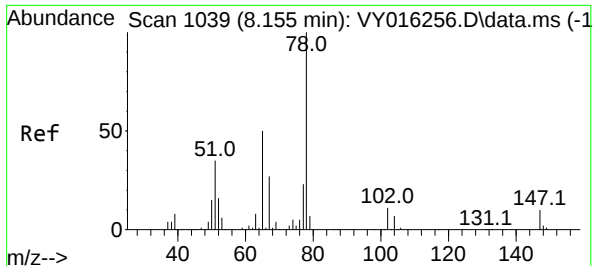
Tgt Ion: 43 Resp: 2533

Ion Ratio Lower Upper

43 100

72 32.2 20.5 30.7#





#33

1,2-Dichloroethane-d4

Concen: 53.392 ug/l

RT: 8.149 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY016464.D

Acq: 22 Nov 2023 15:57

Instrument :

MSVOA_Y

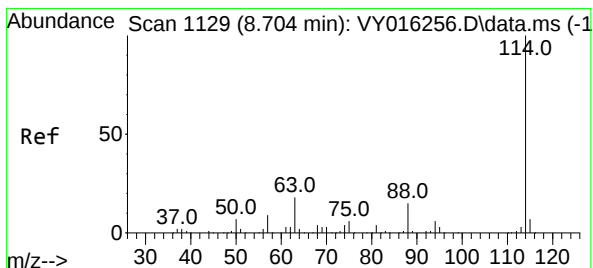
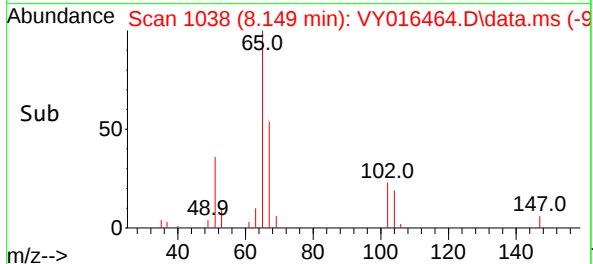
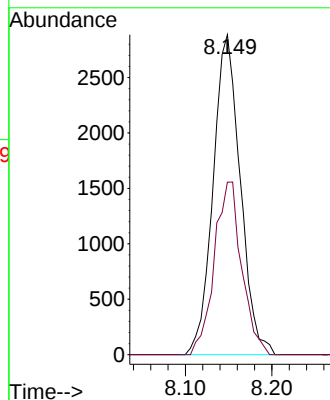
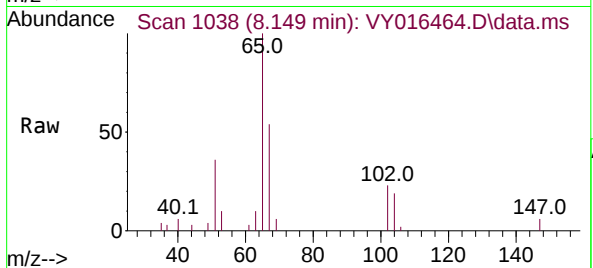
ClientSampleId :

Tgt Ion: 65 Resp: 6293

Ion Ratio Lower Upper

65 100

67 54.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016464.D

Acq: 22 Nov 2023 15:57

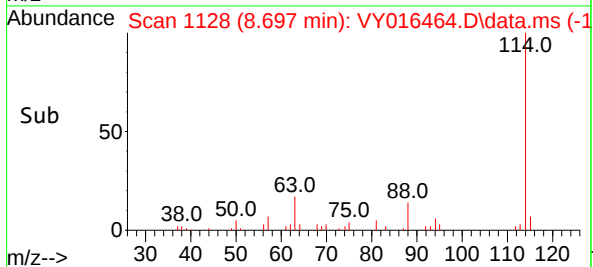
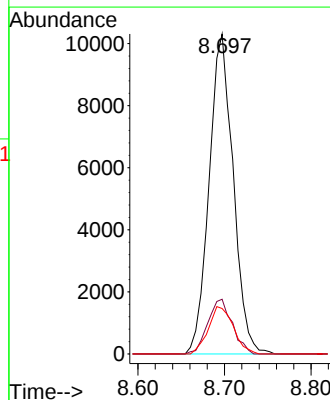
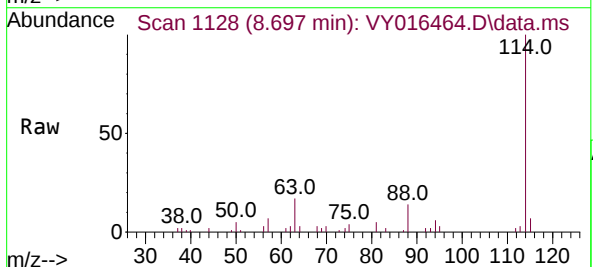
Tgt Ion: 114 Resp: 19883

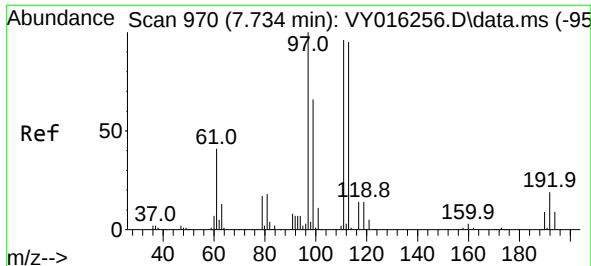
Ion Ratio Lower Upper

114 100

63 17.1 0.0 42.4

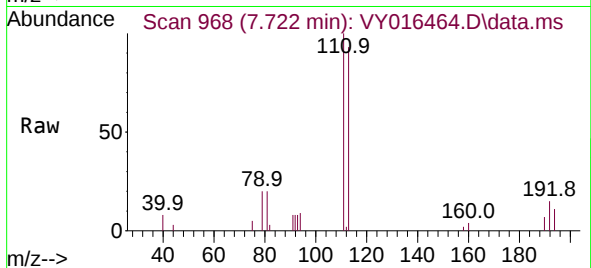
88 14.2 0.0 30.6



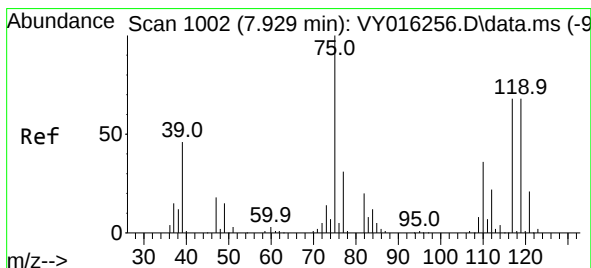
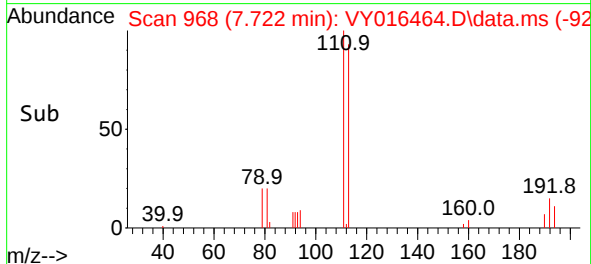
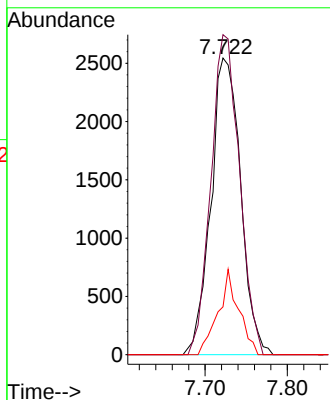


#35
 Dibromofluoromethane
 Concen: 56.672 ug/l
 RT: 7.722 min Scan# 91
 Delta R.T. -0.012 min
 Lab File: VY016464.D
 Acq: 22 Nov 2023 15:57

Instrument :
 MSVOA_Y
 ClientSampleId :

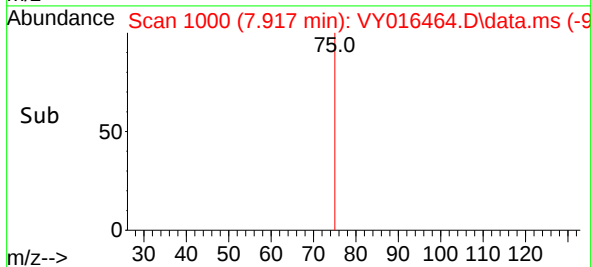
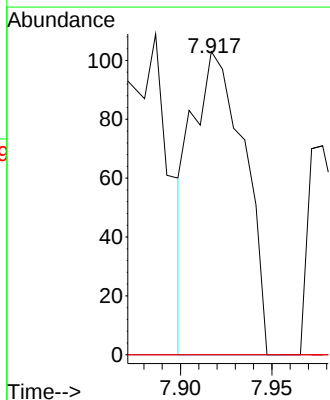
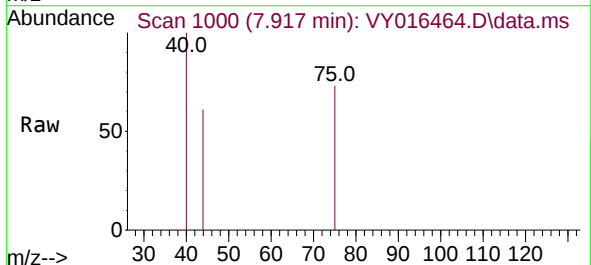


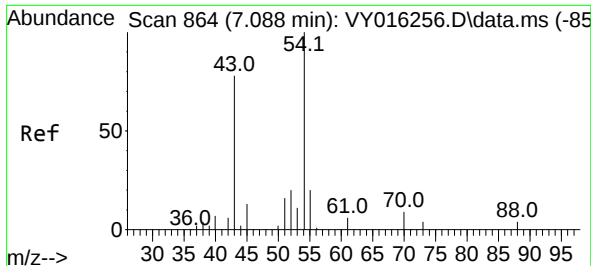
Tgt Ion:113 Resp: 6401
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.3 121.9
 192 19.9 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 1.050 ug/l
 RT: 7.917 min Scan# 1000
 Delta R.T. -0.012 min
 Lab File: VY016464.D
 Acq: 22 Nov 2023 15:57

Tgt Ion: 75 Resp: 206
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.8 53.5#
 77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 31.965 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.092 min

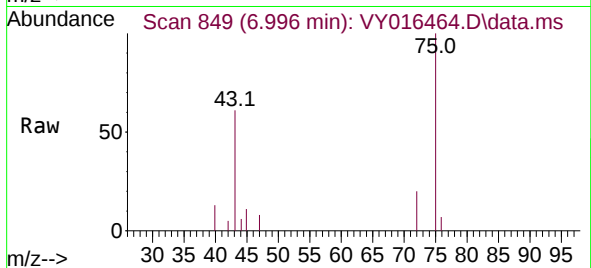
Lab File: VY016464.D

Acq: 22 Nov 2023 15:57

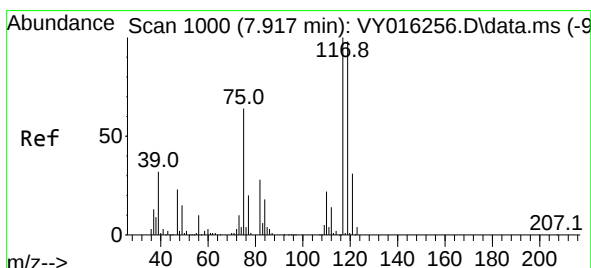
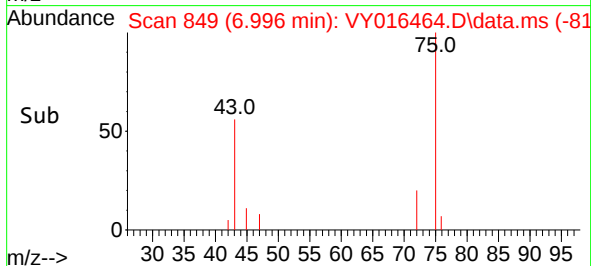
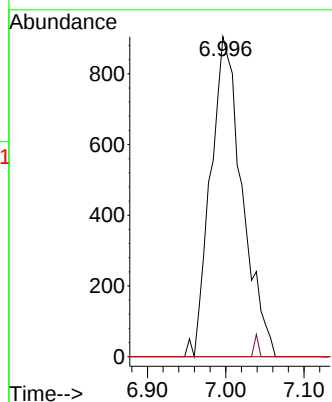
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43	Resp: 2533
Ion Ratio	Lower Upper
43 100	
61 0.0	10.1 15.1#
70 0.0	7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.827 ug/l

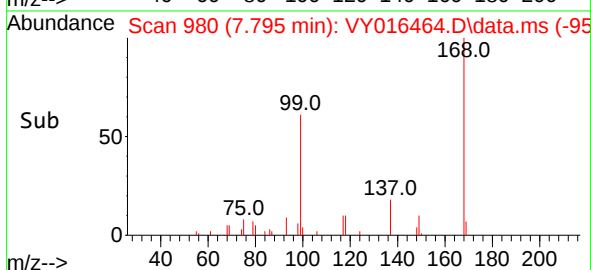
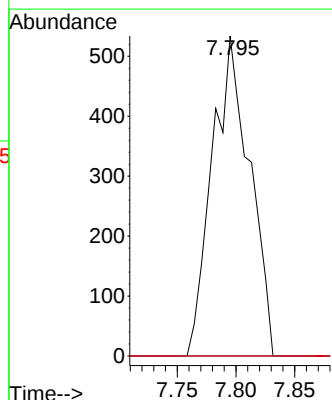
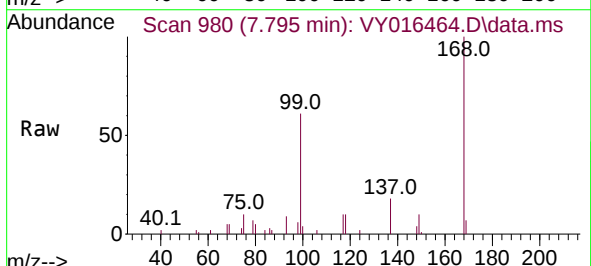
RT: 7.795 min Scan# 980

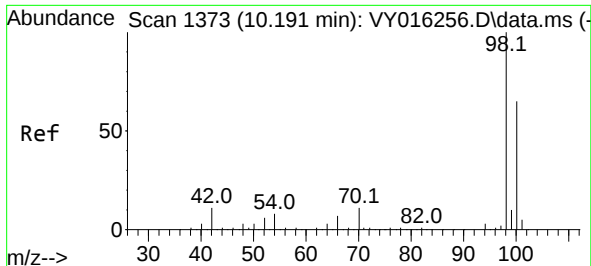
Delta R.T. -0.122 min

Lab File: VY016464.D

Acq: 22 Nov 2023 15:57

Tgt Ion:117	Resp:	1186	
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.4	114.6#
121	0.0	25.8	38.6#

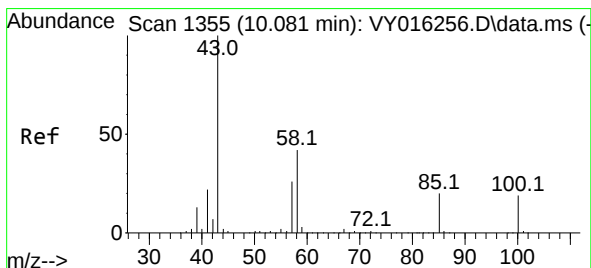
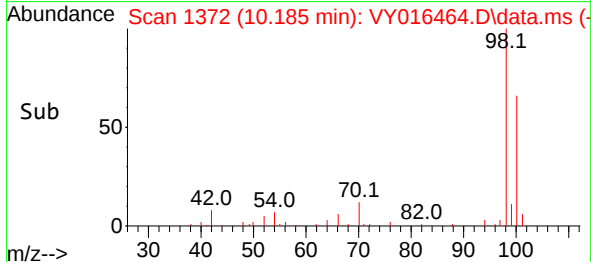
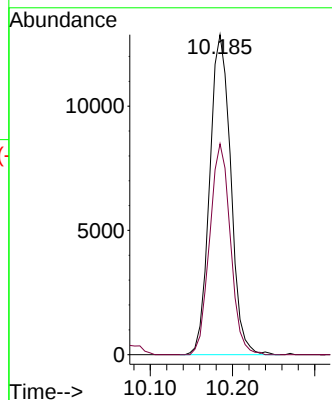
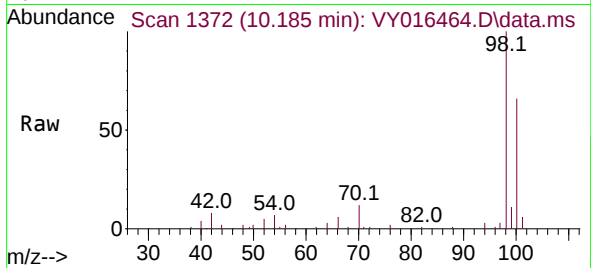




#50
Toluene-d8
Concen: 49.886 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

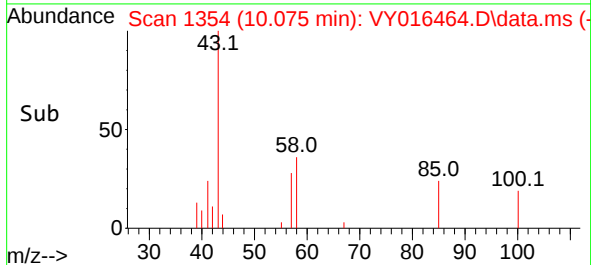
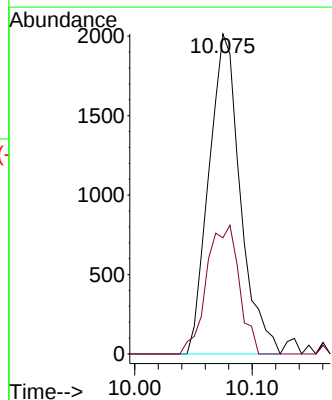
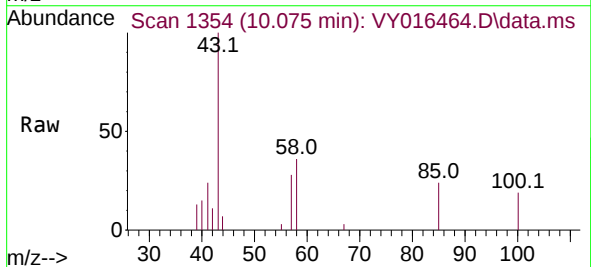
Instrument :
MSVOA_Y
ClientSampleId :

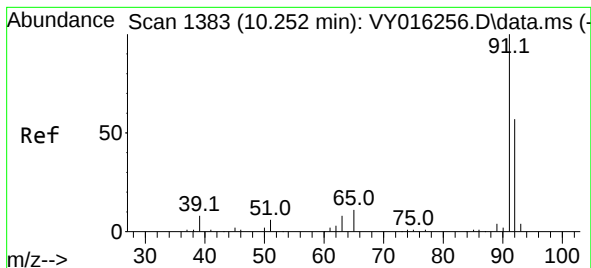
Tgt Ion: 98 Resp: 22849
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 48.310 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.006 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

Tgt Ion: 43 Resp: 3742
Ion Ratio Lower Upper
43 100
58 41.6 29.0 43.6





#52

Toluene

Concen: 5.733 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VY016464.D

Acq: 22 Nov 2023 15:57

Instrument :

MSVOA_Y

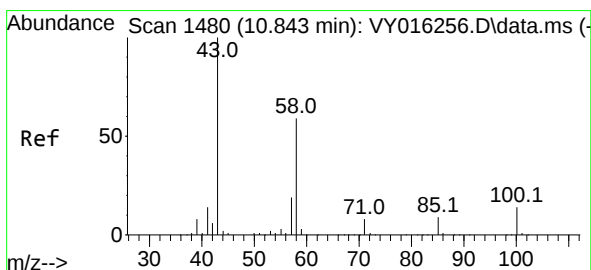
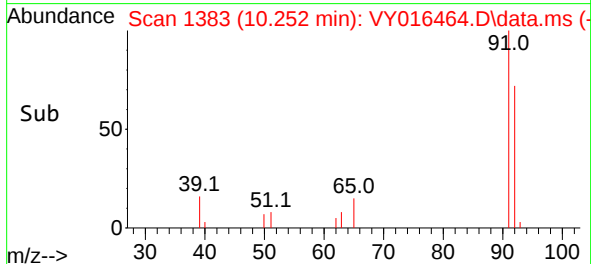
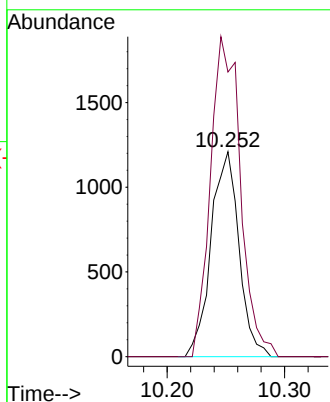
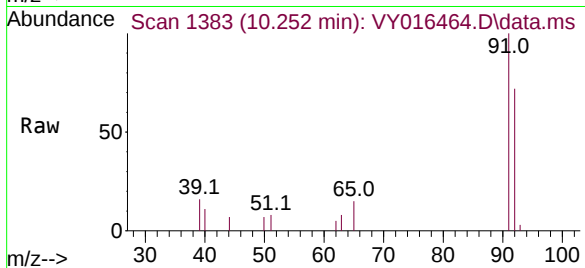
ClientSampleId :

Tgt Ion: 92 Resp: 1997

Ion Ratio Lower Upper

92 100

91 167.9 143.8 215.6



#59

2-Hexanone

Concen: 2.534 ug/l

RT: 10.849 min Scan# 1481

Delta R.T. 0.006 min

Lab File: VY016464.D

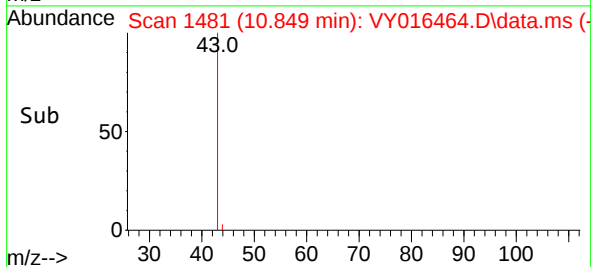
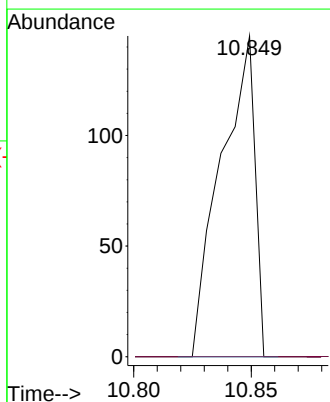
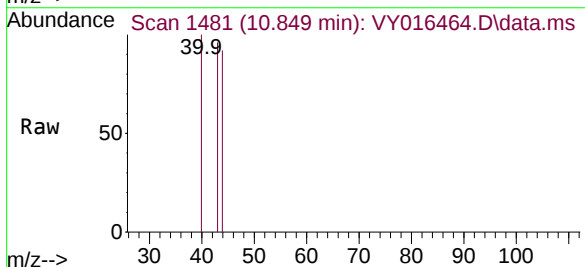
Acq: 22 Nov 2023 15:57

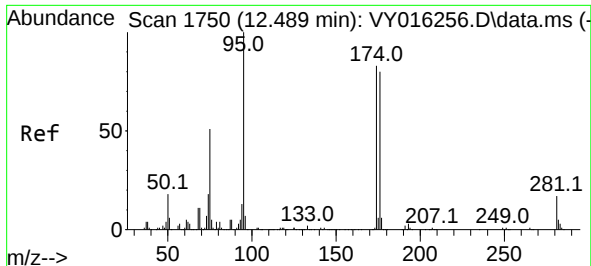
Tgt Ion: 43 Resp: 146

Ion Ratio Lower Upper

43 100

58 0.0 25.1 75.3#

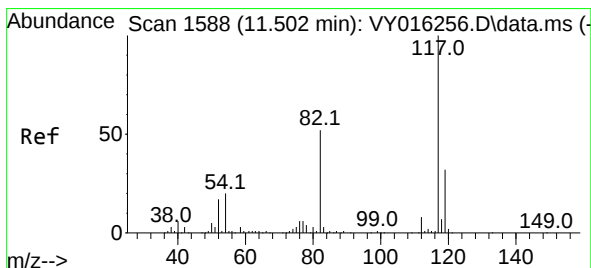
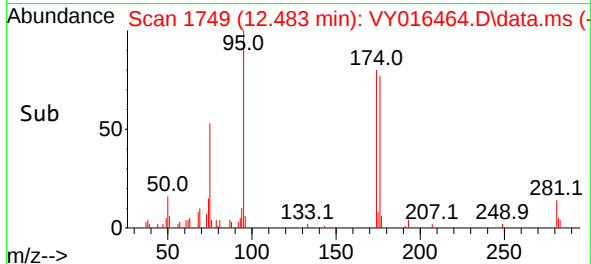
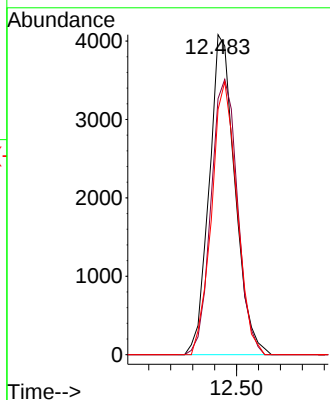
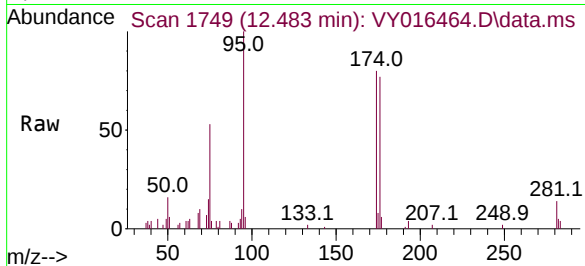




#62
4-Bromofluorobenzene
Concen: 44.830 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

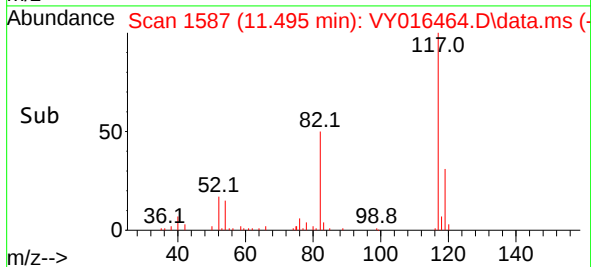
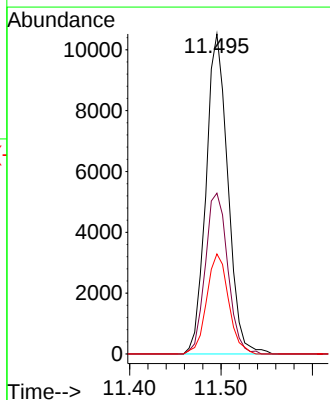
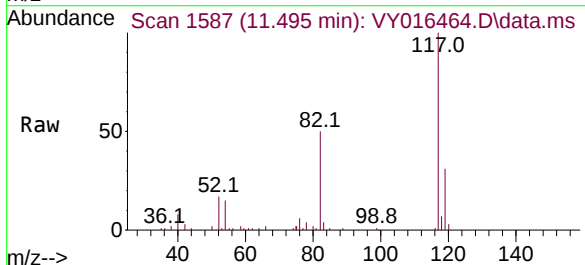
Instrument :
MSVOA_Y
ClientSampleId :

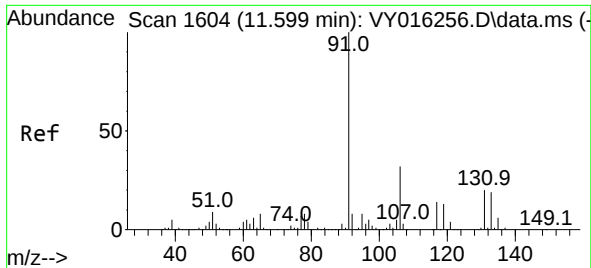
Tgt Ion: 95 Resp: 6669
Ion Ratio Lower Upper
95 100
174 88.1 0.0 178.2
176 84.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

Tgt Ion: 117 Resp: 17432
Ion Ratio Lower Upper
117 100
82 50.2 43.4 65.0
119 31.2 26.3 39.5

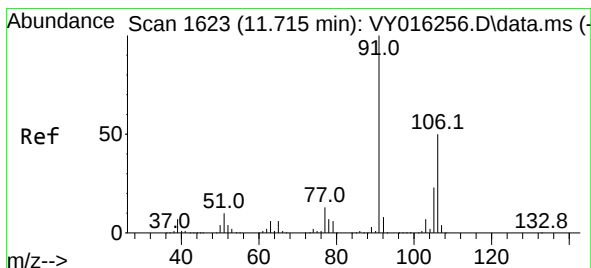
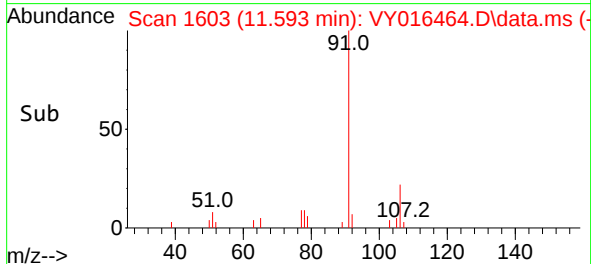
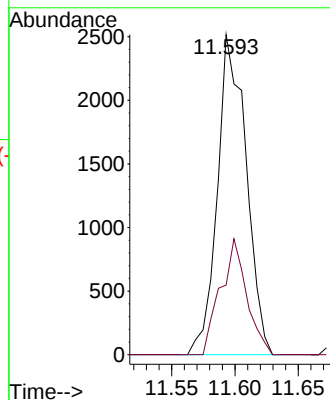
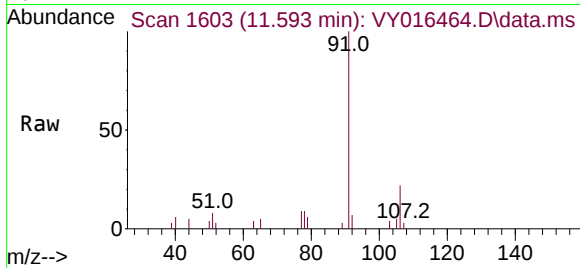




#67
Ethyl Benzene
Concen: 5.933 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

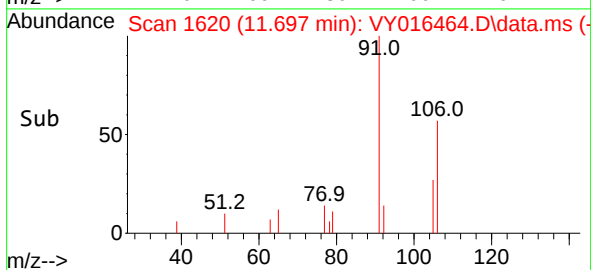
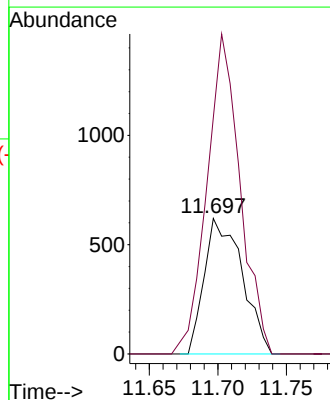
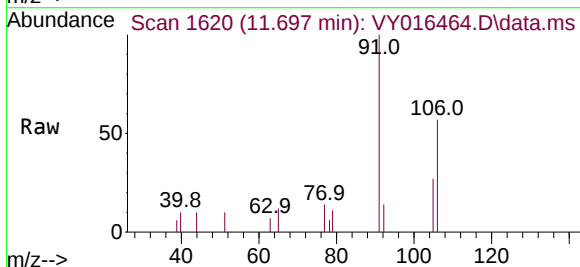
Instrument :
MSVOA_Y
ClientSampleId :

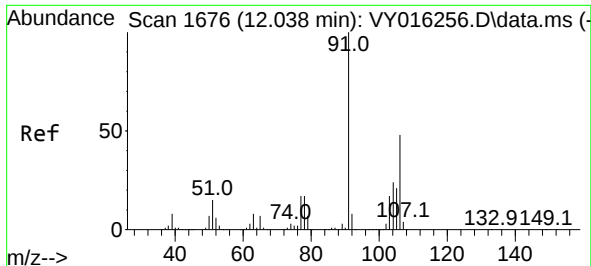
Tgt Ion: 91 Resp: 3971
Ion Ratio Lower Upper
91 100
106 21.8 24.6 36.8#



#68
m/p-Xylenes
Concen: 4.691 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.019 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

Tgt Ion:106 Resp: 1191
Ion Ratio Lower Upper
106 100
91 206.8 166.1 249.1

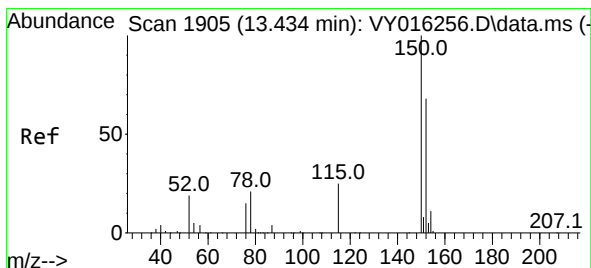
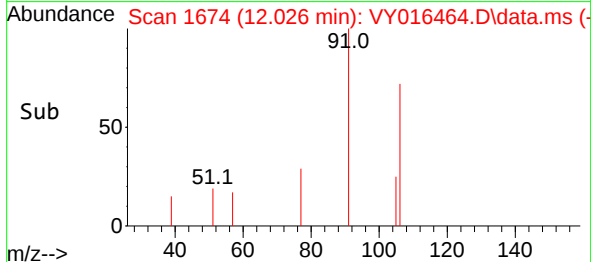
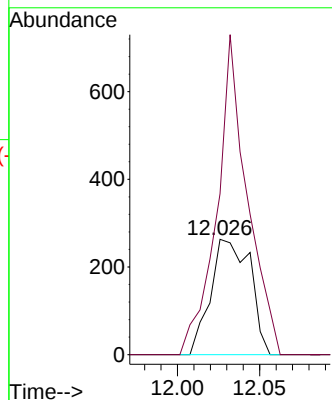
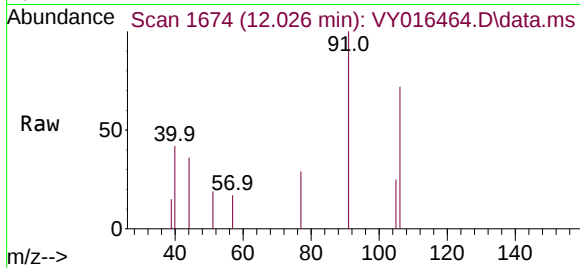




#69
o-Xylene
Concen: 1.871 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

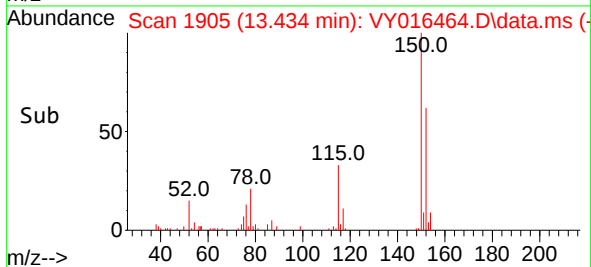
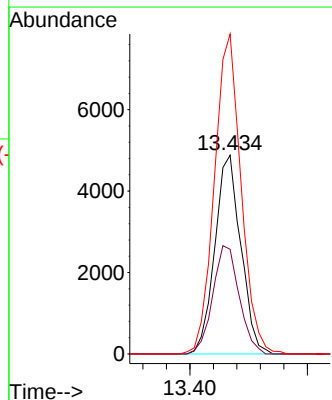
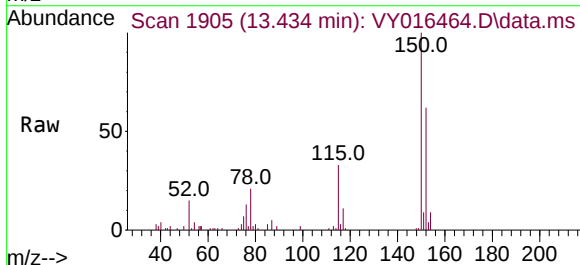
Instrument :
MSVOA_Y
ClientSampleId :

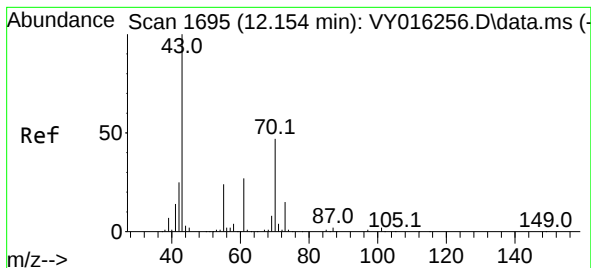
Tgt Ion:106 Resp: 441
Ion Ratio Lower Upper
106 100
91 212.9 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

Tgt Ion:152 Resp: 7491
Ion Ratio Lower Upper
152 100
115 55.4 28.8 86.5
150 165.1 0.0 348.8





#74

N-amy1 acetate

Concen: 3.496 ug/l

RT: 12.105 min Scan# 1

Delta R.T. -0.049 min

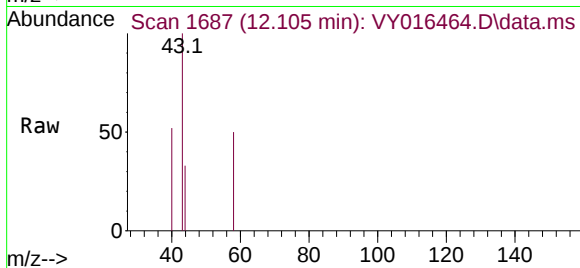
Lab File: VY016464.D

Acq: 22 Nov 2023 15:57

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 426

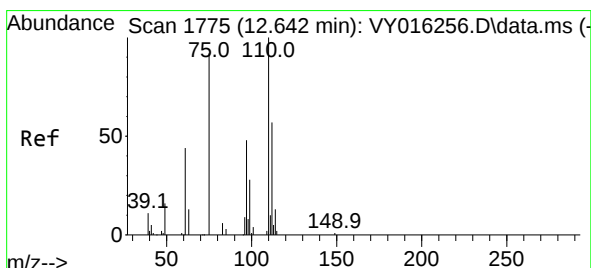
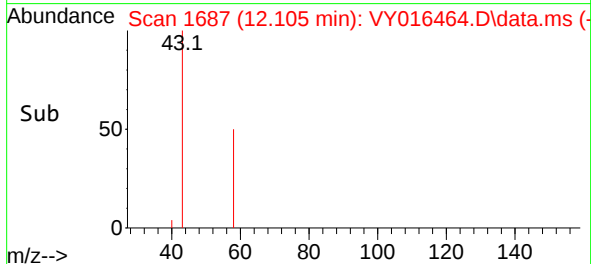
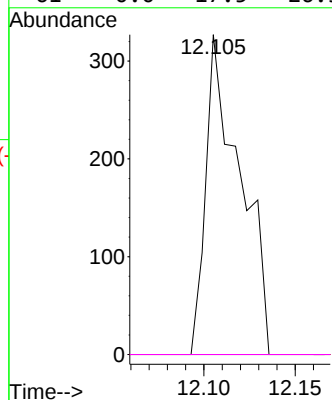
Ion Ratio Lower Upper

43 100

70 0.0 29.7 44.5#

55 0.0 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 46.924 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.159 min

Lab File: VY016464.D

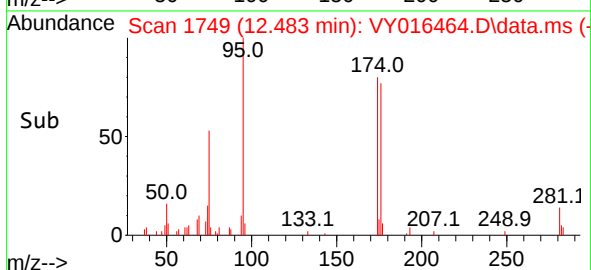
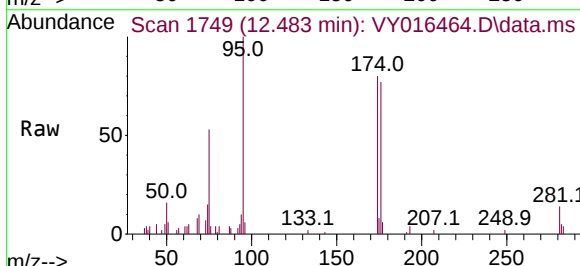
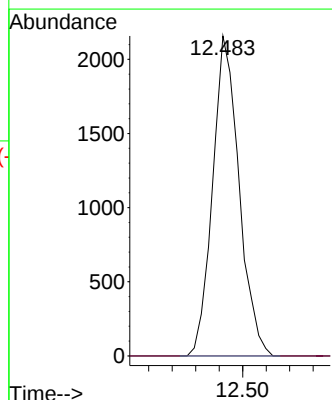
Acq: 22 Nov 2023 15:57

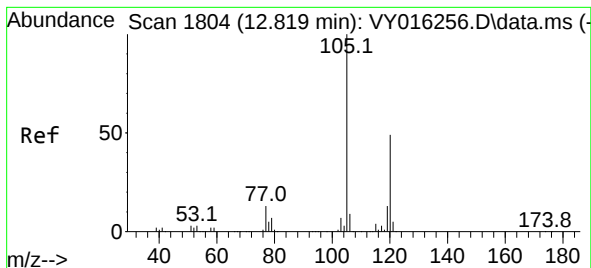
Tgt Ion: 75 Resp: 3372

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#80

1,3,5-Trimethylbenzene

Concen: 1.131 ug/l

RT: 12.739 min Scan# 1791

Delta R.T. -0.080 min

Lab File: VY016464.D

Acq: 22 Nov 2023 15:57

Instrument :

MSVOA_Y

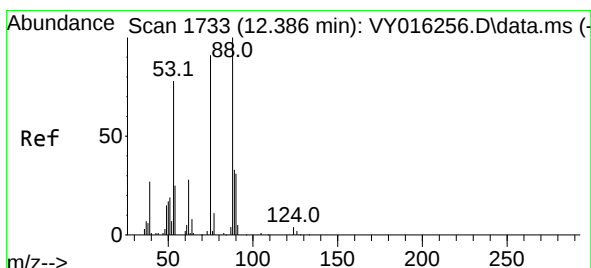
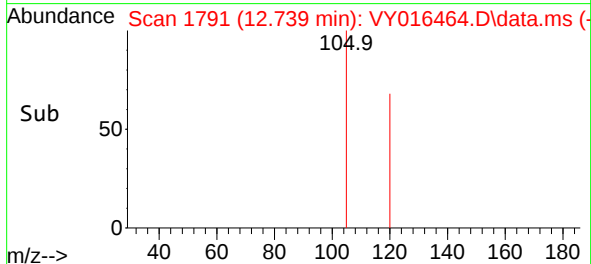
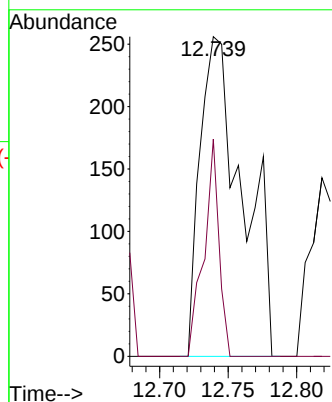
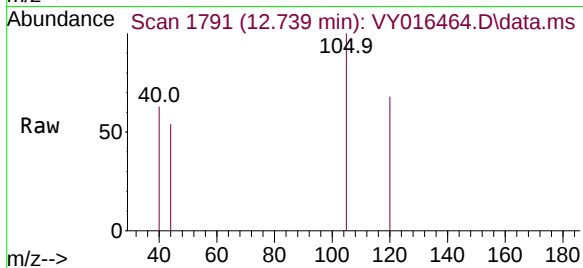
ClientSampleId :

Tgt Ion:105 Resp: 553

Ion Ratio Lower Upper

105 100

120 24.1 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 101.853 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.097 min

Lab File: VY016464.D

Acq: 22 Nov 2023 15:57

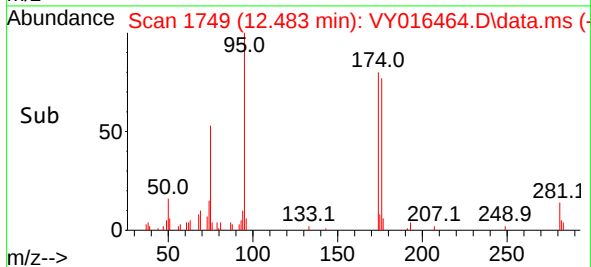
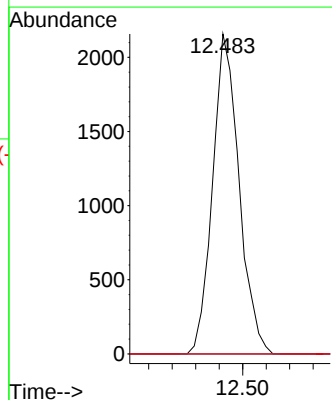
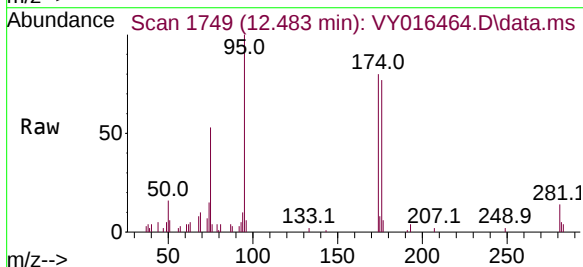
Tgt Ion: 75 Resp: 3372

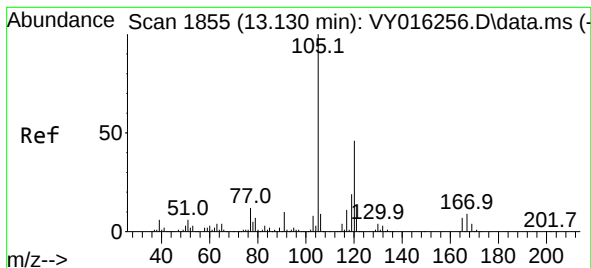
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.447 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. -0.000 min

Lab File: VY016464.D

Acq: 22 Nov 2023 15:57

Instrument :

MSVOA_Y

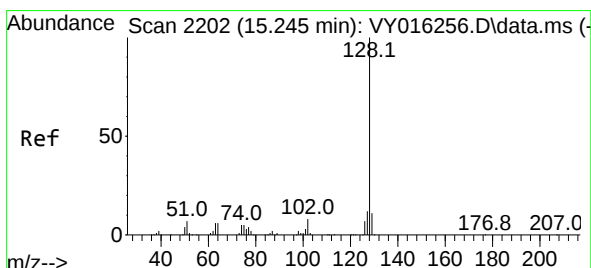
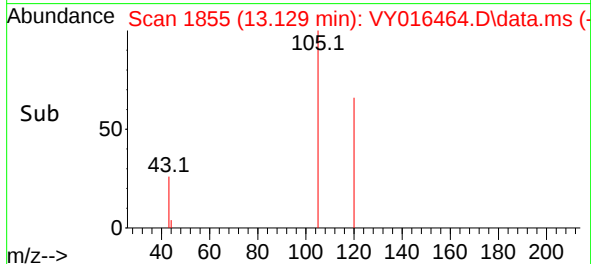
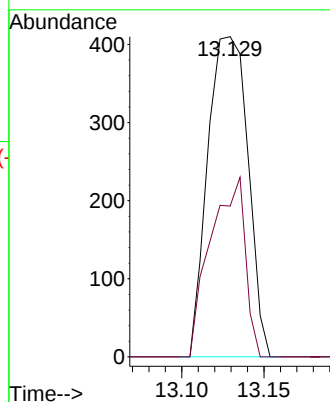
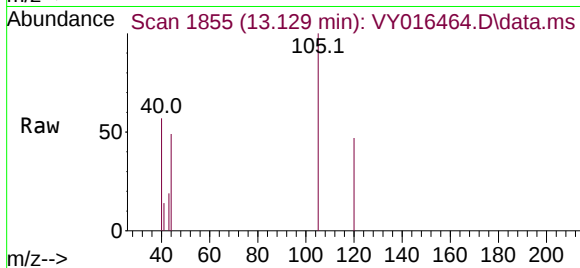
ClientSampleId :

Tgt Ion:105 Resp: 697

Ion Ratio Lower Upper

105 100

120 48.5 22.2 66.6



#95

Naphthalene

Concen: 7.658 ug/l

RT: 15.251 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY016464.D

Acq: 22 Nov 2023 15:57

Tgt Ion:128 Resp: 1807

Ion Ratio Lower Upper

128 100

127 9.8 10.8 16.2#

129 8.7 8.6 13.0

